

Applying Safari 20 SG by Trunk Spray – Master Batch

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| <p style="text-align: center;">IMPORTANT</p> <p>Use the specialty marked measuring cup that comes with your purchase of Safari to measure the required amount of product and a regular measuring cup to measure the amount of water. Note that the numbers printed on the special measuring cup refer to <i>ounces of weight</i> of Safari 20 SG and are <i>not</i> the same as <i>fluid ounces of volume</i> in a regular measuring cup.</p> | <p style="text-align: center;">CONVERSION FACTOR</p> <p>If you don't have the special measuring cup, you can use a regular measuring cup with the following conversion factor for Safari 20 SG:</p> <p style="text-align: center;">3.5 oz by weight in the Safari measuring cup = 6.25 oz. by volume in a regular measuring cup</p> |
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Wear long sleeved shirt, long pants, shoes and socks, goggles, gloves, and mask while spraying.

Step 1. To make a **master batch of treatment mixture**, put the required amount of water in a mixing container first. **Warm water** works best. Then add the corresponding amount of product shown in the Mixing chart below and shake well until all treatment material is dissolved.

| MIXING THE MASTER BATCH | |
|-------------------------|--------------------------|
| Amount of Product | Amount of Water |
| 3.5 ounces | 32 fluid ounces (1 qt) |
| 7 ounces | 64 fluid ounces (2 qts) |
| 10.5 ounces | 96 fluid ounces (3 qts) |
| 12 ounces | 110 fluid ounces |
| 14 ounces | 128 fluid ounces (1 gal) |

Step 2. Measure the trunk diameter of the tree at breast height. This is called “inches dbh.”

Step 3. Treatment is done on an **individual tree** basis. Use the Dosing table below to determine how many ounces of treatment mixture the tree needs by multiplying its trunk diameter by the number of ounces shown in the right-hand column. Use a regular measuring cup to measure out exactly the required amount of treatment mixture for the tree and pour it into the sprayer.

| DOSING EACH TREE | |
|------------------|--------------------------------------|
| Inches (DBH) | Oz of TREATMENT MIXTURE per Inch DBH |
| 1 - 15 | 1 ounce |
| 16 – 19 | 1.33 ounces |
| 20 – 23 | 1.67 ounces |
| 24 – 27 | 2 ounces |
| 28 – 31 | 2.33 ounces |
| 32 – 35 | 2.67 ounces |
| 36 – 39 | 3 ounces |
| 40 or greater | 3.33 ounces |

Step 4. Set the sprayer for low pressure (10-15 psi) and adjust the nozzle for a spray about 3-4 inches wide (not a stream and not a mist). Position the nozzle 2 inches from the trunk and spray from 5 ½ feet above the ground to 6 inches above the ground. Do this very slowly to avoid back-splash and allow the treatment material to be absorbed into the bark; try not to let it drip down onto the ground if the tree is immediately next to a waterway or other sensitive area. Spray until the sprayer is empty so you use all of the treatment mixture on the intended tree.

NOTE: If the spray is too foamy, you can add a cup or two of water in the sprayer tank after you've loaded the required amount of treatment mixture into it.

Step 5. When you're finished treating each tree, mark it to indicate it's been treated. Give the treatment time to dry before children or pets are allowed in the area.

CALL THE HEMLOCK HELP LINE 706-429-8010 WITH ANY QUESTIONS.



Applying Safari 20 SG by Trunk Spray – Small Custom Batch

IMPORTANT

Use the **specialty marked measuring cup** that comes with your purchase of Safari to measure the required amount of product and a regular measuring cup to measure the amount of water. Note that the numbers printed on the special measuring cup refer to *ounces of weight* of Safari 20 SG and are *not* the same as *fluid ounces of volume* in a regular measuring cup.

CONVERSION FACTOR

If you don't have the special measuring cup, you can use a regular measuring cup with the following conversion factor for Safari 20 SG:

3.5 oz by weight in the Safari measuring cup
= 6.25 oz. by volume in a regular measuring cup

Wear long sleeved shirt, long pants, shoes and socks, goggles, gloves, and mask while spraying.

Step 1. Measure the trunk diameter of the tree at breast height. This is called “inches dbh.”

Step 2. To make a **small custom batch of treatment mixture**, put the required amount of water in a mixing container first. Refer to the chart below. **Warm water** works best.

Step 3. Then add the corresponding amount of product shown in the chart below and shake until all treatment material is dissolved.

| MIXING & DOSING | | |
|-----------------|----------------------------|--------------------------|
| Inches (DBH) | Amount of Product per Inch | Amount of Water per inch |
| 1 – 15 | 0.1 oz = 3 grams | 2 fluid ounces |
| 16 – 19 | 0.133 oz = 4 grams | 2 fluid ounces |
| 20 – 23 | 0.167 oz = 5 grams | 2 fluid ounces |
| 24 - 27 | 0.2 oz = 6 grams | 2 fluid ounces |
| 28 – 31 | 0.233 oz = 7 grams | 2 fluid ounces |
| 32 – 35 | 0.267 oz = 8 grams | 2 fluid ounces |
| 36 – 39 | 0.3 oz = 9 grams | 2 fluid ounces |
| 40 or greater | 0.33 oz = 10 grams | 2 fluid ounces |

Step 4. Treatment is done on an **individual tree** basis. Use the Dosing table below to determine how many ounces of treatment mixture the tree needs by multiplying its trunk diameter by the number of ounces shown in the right-hand column. Use a regular measuring cup to measure out exactly the required amount of treatment mixture for the tree and pour it into the sprayer.

Step 4. Set the sprayer for low pressure (10-15 psi) and adjust the nozzle for a spray about 3-4 inches wide (not a stream and not a mist). Position the nozzle 2 inches from the trunk and spray from 5 ½ feet above the ground to 6 inches above the ground. Do this very slowly to avoid back-splash and allow the treatment material to be absorbed into the bark; try not to let it drip down onto the ground if the tree is immediately next to a waterway or other sensitive area. Spray until the sprayer is empty so you use all of the treatment mixture on the intended tree.

NOTE: If the spray is too foamy, you can add a cup or two of water in the sprayer tank after you've loaded the required amount of treatment mixture into it.

Step 5. When you're finished treating each tree, mark it to indicate it's been treated. Give the treatment time to dry before children or pets are allowed in the area.

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Safari 20 SG Extended Mixing & Dosage Chart

Master Batch: 96 oz Mixture

96 oz water plus 10.5 oz. product

| DBH" | Required Treatment Mixture (oz) per dbh" | TOTAL Required Treatment Mixture (oz) |
|------|--|---------------------------------------|
| 1 | 1.0 | 1 |
| 2 | 1.0 | 2 |
| 3 | 1.0 | 3 |
| 4 | 1.0 | 4 |
| 5 | 1.0 | 5 |
| 6 | 1.0 | 6 |
| 7 | 1.0 | 7 |
| 8 | 1.0 | 8 |
| 9 | 1.0 | 9 |
| 10 | 1.0 | 10 |
| 11 | 1.0 | 11 |
| 12 | 1.0 | 12 |
| 13 | 1.0 | 13 |
| 14 | 1.0 | 14 |
| 15 | 1.0 | 15 |
| 16 | 1.33 | 21.28 |
| 17 | 1.33 | 22.61 |
| 18 | 1.33 | 23.94 |
| 19 | 1.33 | 25.27 |
| 20 | 1.67 | 33.4 |
| 21 | 1.67 | 35.07 |
| 22 | 1.67 | 36.74 |
| 23 | 1.67 | 38.41 |
| 24 | 2.0 | 48 |
| 25 | 2.0 | 50 |
| 26 | 2.0 | 52 |
| 27 | 2.0 | 54 |
| 28 | 2.33 | 65.24 |
| 29 | 2.33 | 67.57 |
| 30 | 2.33 | 69.9 |
| 31 | 2.33 | 72.23 |
| 32 | 2.67 | 85.44 |
| 33 | 2.67 | 88.11 |
| 34 | 2.67 | 90.78 |
| 35 | 2.67 | 93.45 |
| 36 | 3.0 | 108 |
| 37 | 3.0 | 111 |
| 38 | 3.0 | 114 |
| 39 | 3.0 | 117 |
| 40 | 3.33 | 133.2 |
| 41 | 3.33 | 136.53 |
| 42 | 3.33 | 139.86 |
| 43 | 3.33 | 143.19 |
| 44 | 3.67 | 161.48 |
| 45 | 3.67 | 165.15 |
| 46 | 3.67 | 168.82 |
| 47 | 3.67 | 172.49 |
| 48 | 4.0 | 192 |

Custom Batch:

$((2 \text{ oz water per dbh}) \times (\text{dbh}))$ plus $((\text{oz product per dbh}) \times (\text{dbh}))$

| DBH" | Water (oz) per dbh" | Product (oz) per dbh" | TOTAL Required Product (oz) | TOTAL Required Treatment Mixture (oz) |
|------|---------------------|-----------------------|-----------------------------|---------------------------------------|
| 1 | 2 | 0.1 | 0.1 | 2 |
| 2 | 2 | 0.1 | 0.2 | 4 |
| 3 | 2 | 0.1 | 0.3 | 6 |
| 4 | 2 | 0.1 | 0.4 | 8 |
| 5 | 2 | 0.1 | 0.5 | 10 |
| 6 | 2 | 0.1 | 0.6 | 12 |
| 7 | 2 | 0.1 | 0.7 | 14 |
| 8 | 2 | 0.1 | 0.8 | 16 |
| 9 | 2 | 0.1 | 0.9 | 18 |
| 10 | 2 | 0.1 | 1 | 20 |
| 11 | 2 | 0.1 | 1.1 | 22 |
| 12 | 2 | 0.1 | 1.2 | 24 |
| 13 | 2 | 0.1 | 1.3 | 26 |
| 14 | 2 | 0.1 | 1.4 | 28 |
| 15 | 2 | 0.1 | 1.5 | 30 |
| 16 | 2 | 0.133 | 2.128 | 32 |
| 17 | 2 | 0.133 | 2.261 | 34 |
| 18 | 2 | 0.133 | 2.394 | 36 |
| 19 | 2 | 0.133 | 2.527 | 38 |
| 20 | 2 | 0.167 | 3.34 | 40 |
| 21 | 2 | 0.167 | 3.507 | 42 |
| 22 | 2 | 0.167 | 3.674 | 44 |
| 23 | 2 | 0.167 | 3.841 | 46 |
| 24 | 2 | 0.2 | 4.8 | 48 |
| 25 | 2 | 0.2 | 5 | 50 |
| 26 | 2 | 0.2 | 5.2 | 52 |
| 27 | 2 | 0.2 | 5.4 | 54 |
| 28 | 2 | 0.233 | 6.524 | 56 |
| 29 | 2 | 0.233 | 6.757 | 58 |
| 30 | 2 | 0.233 | 6.99 | 60 |
| 31 | 2 | 0.233 | 7.223 | 62 |
| 32 | 2 | 0.267 | 8.544 | 64 |
| 33 | 2 | 0.267 | 8.811 | 66 |
| 34 | 2 | 0.267 | 9.078 | 68 |
| 35 | 2 | 0.267 | 9.345 | 70 |
| 36 | 2 | 0.3 | 10.8 | 72 |
| 37 | 2 | 0.3 | 11.1 | 74 |
| 38 | 2 | 0.3 | 11.4 | 76 |
| 39 | 2 | 0.3 | 11.7 | 78 |
| 40 | 2 | 0.33 | 13.2 | 80 |
| 41 | 2 | 0.33 | 13.53 | 82 |
| 42 | 2 | 0.33 | 13.86 | 84 |
| 43 | 2 | 0.33 | 14.19 | 86 |
| 44 | 2 | 0.367 | 16.148 | 88 |
| 45 | 2 | 0.367 | 16.515 | 90 |
| 46 | 2 | 0.367 | 16.882 | 92 |
| 47 | 2 | 0.367 | 17.249 | 94 |
| 48 | 2 | 0.4 | 19.2 | 96 |

After pouring prescribed chemical mixture for specific tree, add **more** water to reduce foaming **if necessary**.